

## FACSIMILE COVER SHEET

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**TO:** Examiner Shanon A. Foley

**COMPANY:** U. S. Patent Office, Group Art Unit 1648

**FAX NO.:** (703) 308-4242

**FROM:** Jeff Lloyd 

**DATE:** June 25, 2003

**NUMBER OF PAGES (INCLUDING COVER SHEET): 8****MESSAGE:**

Re: Serial No. 09/807,783  
FREEZE-DRIED HEPATITIS A ATTENUATED LIVE VACCINE AND ITS STABILIZER  
Our Docket No.: CCP-100


Attached hereto is

1. Amendment Under 37 CFR §1.111

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AMENDMENT UNDER 37 CFR §1.111  
Patent Application  
EXAMINING GROUP 1648  
Docket No. CCP-100  
Serial No. 09/807,783

  
Jeff Lloyd, Patent Attorney

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Shanon Foley  
Art Unit : 1648  
Applicant(s) : Jingye Liu *et al.*  
Serial No. : 09/807,783  
Filed : April 17, 2001  
For : Freeze-Dried Hepatitis A Attenuated Live Vaccine and its Stabilizer

Assistant Commissioner for Patents  
Washington, D.C. 20231

AMENDMENT UNDER 37 CFR §1.111

Sir:

In response to the Office Action mailed March 25, 2003, please amend the application identified above as follows:

In the claims:

1. (previously amended) A stabilized lyophilized hepatitis A live vaccine formulation comprising prophylactically effective titers of live attenuated hepatitis A virus and a stabilizer, wherein said stabilizer is present in the vaccine formulation at a concentration sufficient to stabilize the hepatitis A virus against heat inactivation.

*Beantid* 2. (original) A stabilized lyophilized hepatitis A vaccine formulation according to claim 1, wherein said live attenuated hepatitis A virus is prepared from the wild-type HAV, strain L-A-I.

3. (previously amended) A stabilized lyophilized hepatitis A live vaccine formulation according to claim 1, wherein said stabilizer for lyophilized live hepatitis A virus comprises human serum albumin or gelatin or both of them; trehalose; at least one amino acid selected from the group consisting of